

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) ~~Method~~ A method for treating liquids, comprising: the steps of

[[-]] irradiating a flow of air and a flow of [[the]] liquid to be treated at ~~the~~ a same time in order to create ozone in both the air and the liquid[[,]];

[[-]] mixing the ozone-containing air with the liquid to be treated ~~up-streams the~~ upstream of a liquid irradiating point[[,]];

[[-]] irradiating the flow of liquid containing the in-mixed ozone in order to break down the ozone in the liquid for producing free radicals; and

exposing the liquid to at least one catalyst at the same time as the ozone is broken down for increasing an amount of free radicals.

2. (canceled)

3. (currently amended) ~~Method~~ The method according to claim 1, wherein [[the]] UV radiation which is emitted for

breaking down the ozone and contaminants has a wavelength of 245
180 nm - 400 nm.

4. (currently amended) ~~Method~~ The method according to claim 3, wherein the UV radiation which is emitted for breaking down the ozone has a wavelength of 254 nm.

5. (currently amended) ~~Method~~ The method according to claim 1, wherein the mixing is obtained by an ejector effect into the flow of liquid.

6. (currently amended) ~~Apparatus~~ An apparatus for treatment of liquid according to claim 1, comprising:

a container having an inlet and an outlet for the liquid to be treated[[,]];

a UV generating light source capable of irradiating ~~the~~
an inside of the container[[,]];

air guidance means arranged inside the container, connected to an air source; and

an inlet conduit for the liquid to be treated via a mixing means.

7. (currently amended) ~~Apparatus~~ The apparatus according to claim 6, wherein said air guidance means comprises a compartment divided from the inside of the container by a quartz

glass and that said UV generating light ~~radiating means~~ source is arranged in or adjacent said compartment.

8. (currently amended) ~~Apparatus~~ The apparatus according to claim 6, wherein substantially ~~the a~~ whole of ~~the an~~ inner surface is arranged with a catalyst.

9. (currently amended) ~~Apparatus~~ The apparatus according to claim 8, wherein the catalyst comprises titanium dioxide.

10. (currently amended) ~~Apparatus~~ The apparatus according to claim 6, wherein the mixing means comprises a throttle on the inlet, which throttle is capable of creating an ejector effect of the air/ozone into the flow of liquid.

11. (currently amended) ~~Apparatus~~ The apparatus for treating liquids, and in particular water, according to claim 6, further including through-flowing means provided with inlets and outlets for the liquid, ~~UV-light~~ the UV generating means light source being arranged in the through-flowing means, capable of generating ozone in the through-flowing liquid and at the same time break down the ozone in order to produce free radicals, ~~characterised in that~~ wherein mountable and demountable

connection means are arranged to the inlet and outlet of the through-flowing means.

12. (currently amended) ~~System~~ The apparatus according to claim 11, ~~characterised in that it~~ wherein the apparatus is arranged with at least two through-flowing means.

13. (currently amended) ~~System~~ The apparatus according to claim 12, ~~characterised in that~~ wherein said through-flowing means are arranged in series, whereby ~~the~~ a first through-flowing means is connected to an inlet pipe for liquid to be treated and that ~~the last~~ a second through-flowing means is connected to an outlet pipe for the treated liquid.

14. (currently amended) ~~System~~ The apparatus according to claim 12, ~~characterised in that~~ wherein at least two of the said through flowing means are connected in parallel to an inlet pipe for liquid to be treated and an outlet pipe for the treated liquid.

15. (currently amended) ~~System~~ The apparatus according to claim 11, ~~characterised in that~~ wherein the through-flowing means is ~~designed as~~ an elongated pipe.

16. (currently amended) ~~System~~ The apparatus according to claim 15, ~~characterised in that~~ wherein the ~~UV-light~~ UV generating ~~means~~ light source is arranged in one end of the elongated pipe.

17. (currently amended) ~~System~~ The apparatus according to claim 11, ~~characterised in that~~ wherein ceramics ~~[[is]]~~ are arranged on the inside of the through-flowing means at least adjacent said ~~UV-generating means~~ UV generating light source.

18. (currently amended) ~~System~~ The apparatus according to claim 17, ~~characterised that~~ wherein the ceramics ~~is~~ comprise titanium oxides.

19. (currently amended) ~~System~~ The apparatus according to claim 11, ~~characterised in that~~ wherein the through-flowing means is arranged adjacent a water outlet for human use, ~~like~~ or a shower head for human use.

20. (currently amended) ~~System~~ The apparatus according to claim 19, ~~characterised in that~~ wherein the through-flowing means is arranged between a water faucet and the water outlet.

21. (currently amended) ~~System~~ The apparatus according to claim 19, ~~characterised in that~~ wherein the through-flowing

means is arranged between a warm water pipe and a faucet connected to the water outlet.